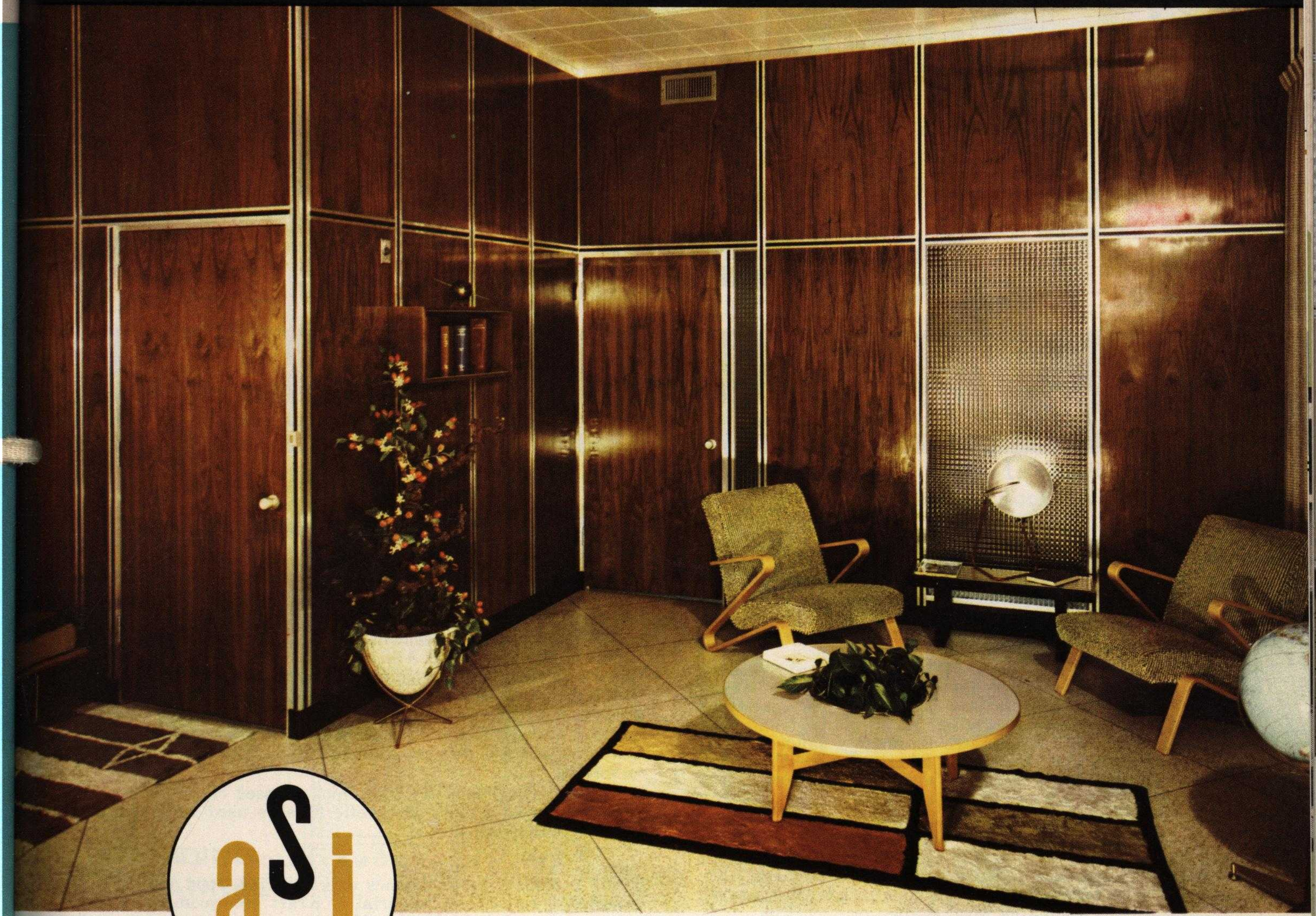
ARCHITECTURAL SYSTEMS, INC.

1045 COTTAGE GROVE, S. E., GRAND RAPIDS 7, MICHIGAN

In Canada: 136 Du Pont Street, Toronto, Ontario

22a
Ar



Custom Line

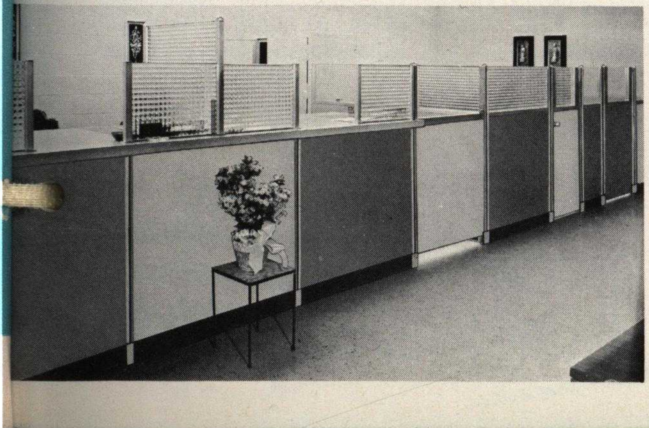
MOVABLE PARTITIONS AND WALLS

Architectural Systems' Custom Line is a complete and highly versatile system of movable partitions and walls that create beautiful and distinctive modern interiors at costs approximating those of conventional partitions. The system offers architects and building owners these unique advantages:

COMPLETE FREEDOM OF DESIGN—The extruded aluminum components of the Custom Line system have been developed by ASI to allow unlimited variations in floor layout and interior styling. Panel runs can start at any post. Partitions of varying heights can be simply and easily combined. The wide range of panel facings, finishes and core constructions available will fit virtually any requirement for appearance, durability, noise reduction and fire resistance.

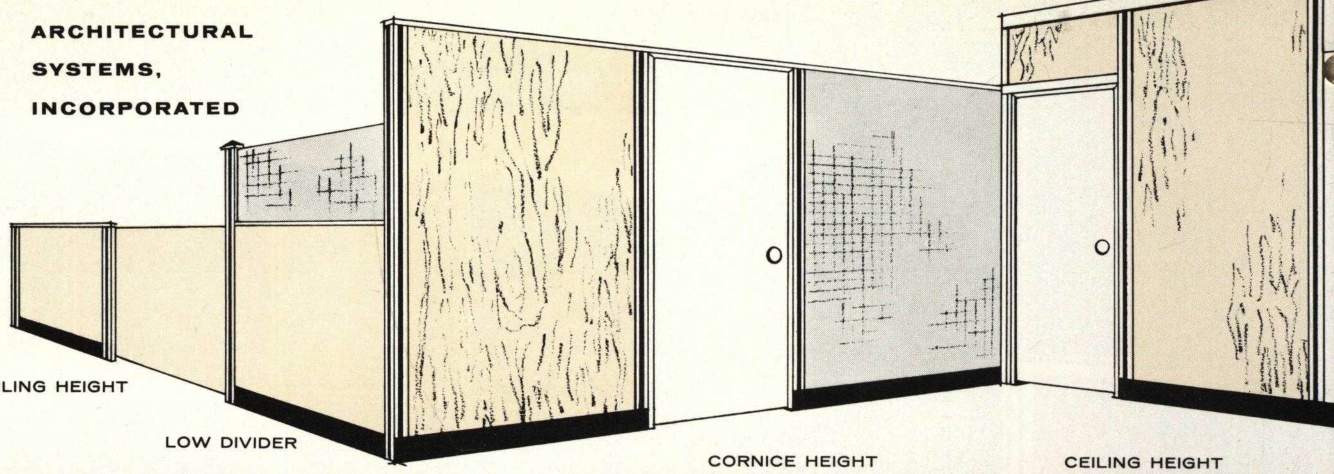
INTERCHANGEABILITY—Solid panels, glass panels and door units can be interchanged without moving adjacent panels and with 100% salvageability.

EASE OF INSTALLATION—The Custom Line's basic post design makes wall erection fast and economical. ASI's panel adjustment feature compensates for uneven floors and allows the partition runs to be squared up and levelled quickly and accurately.



At left, a typical Custom Line low divider partition with built-in counter. Panels are finished in a combination of modern pastel colors. Above, in color, a typical office interior with Custom Line ceiling height walls. Note the clean lines and conservative modern beauty achieved.

ARCHITECTURAL SYSTEMS, INCORPORATED



Custom Line CONSTRUCTION DETAILS

DIMENSIONS

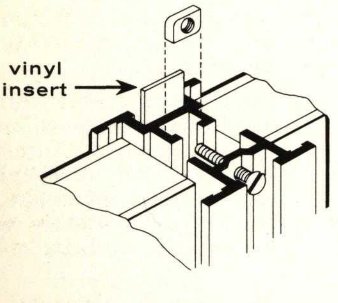
Custom Line partitions and walls can vary from 42" vertically to any ceiling height. Panel widths available from 12" to 60" in any 12" increment. Special filler panels available for odd dimensions. All panels, regardless of facing or core materials, are 1¾" thick.

ASI PANEL FACINGS

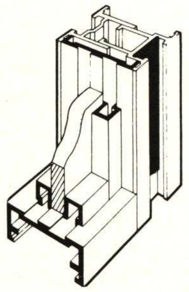
WOOD: Panels are faced with "A" grade hardwood veneers in a wide variety of wood types and grains. Any of three standard core constructions (see below) can be employed. Veneer facings are permanently laminated to the frame and core under pressure. Surfaces are thoroughly sanded, toned and sealed, nub sanded and filled where needed. The final synthetic dull gloss finish is scratch and mar resistant.

HARDBOARD AND PLASTIC LAMINATES: Hardboard facing ⅛" thick is finished in a special semi-gloss paint, selected for its durability and ease of maintenance. ASI standard colors, recommended by leading color consultants, include Sandtone, Graylight and Softgreen. Special colors available on order. Plastic laminates also available in a wide range of colors, finishes and simulated wood grains.

STEEL: 22-gauge steel is laminated to the ASI honeycomb core and the panel encased in a 16-gauge "U" channel steel framing on all four edges. Surfaces are cleaned, primed, sanded and finished with synthetic enamel in any specified color. ASI recommends one of three standard colors — Sandtone, Graylight or Softgreen.



STANDARD POST ASSEMBLY



GLASS PANEL ASSEMBLY

GYPSUM BOARD: Gypsum board facing ⅜" thick is laminated to gypsum core spacers (see below) and finished with one coat of primer. ASI recommends that final finish be applied by others after installation of the panels.

ASBESTOS: Asbestos-cement board ⅛" thick is laminated to any one of the standard ASI cores described below. Available factory finished in ASI standard synthetic colors — Sandtone, Graylight or Softgreen — or as specified.

VINYL-METAL LAMINATES: Available in a variety of textures and simulated wood grains. Vinyl offers a permanent facing material, highly resistant to abrasion, soil and chemical corrosion.

PRESSED CHIPWOOD: 1¾" thick pressed chipwood board is used in solid panels. Synthetic finishes used the same as for HARDBOARD above.

ASI CORE CONSTRUCTIONS

HONEYCOMB: Panel frames of kiln dried wood have 1½" stiles, 2½" rails. Core material is Kraft honeycomb 1" cells between expanded sheets. Specified facing is laminated to the core and frame.

GYPSUM: Fire resistant core is formed of two ⅜" gypsum sheets between which gypsum spacers 3" wide on 12" centers are laminated. Selected facing is laminated to the outer core surfaces.

PRESSED CHIPWOOD: Core is solid, pressed chipwood board, to which the specified facing material is laminated.

GLASS PANELS

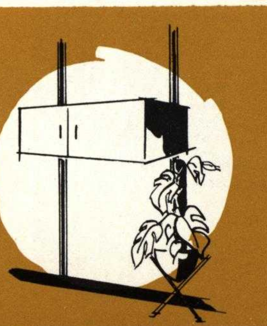
Any one of the many makes and patterns of architectural glass, in any thickness from ⅛" to 21/64", can be specified. Glass is set in extruded aluminum frames between rigid vinyl stops without the use of screws or putty.

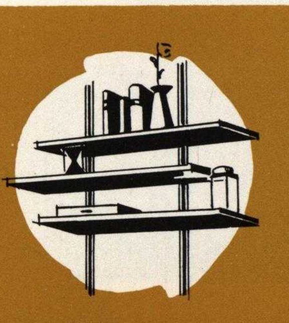
DOORS

Doors available to match panel specifications. Extruded aluminum door jams are mitered and welded at the corners and have synthetic gaskets around the door stops. Hardware, either supplied by ASI or otherwise furnished to specification, is factory installed.

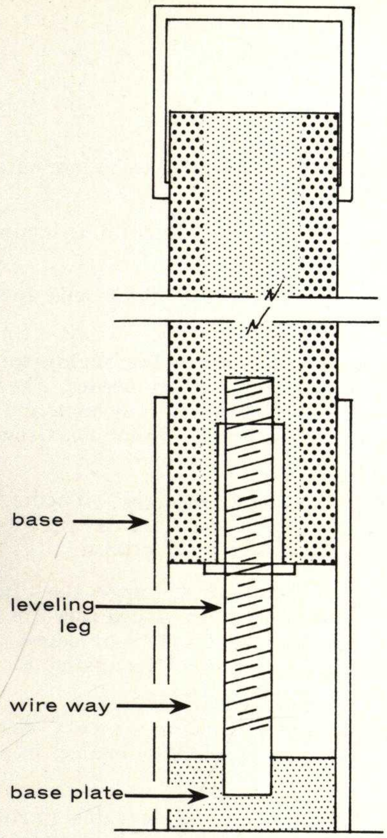
Custom Line ACCESSORIES

ASI will manufacture to order any one of several accessories such as the table-desk, wall cabinet and shelves illustrated. They are simply and securely attached to the Custom Line post assemblies without marring the panels in any way.



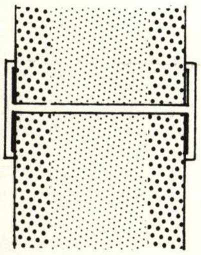


① CEILING CAP

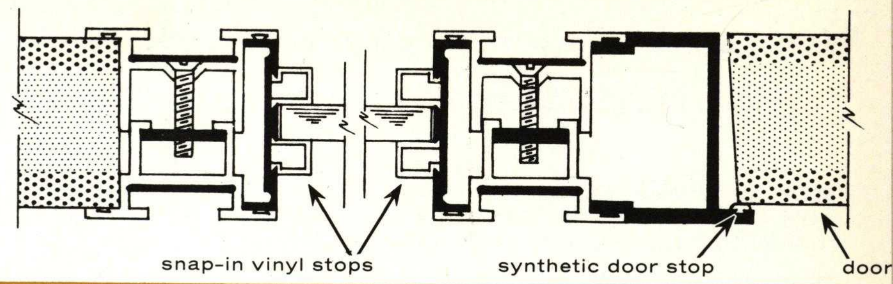


② BASE ASSEMBLY

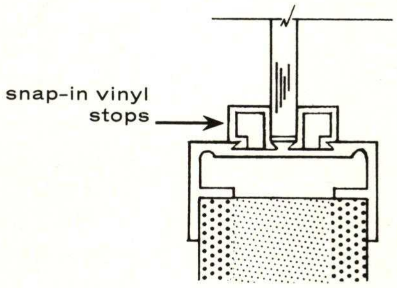
③ DIVIDING CHANNEL

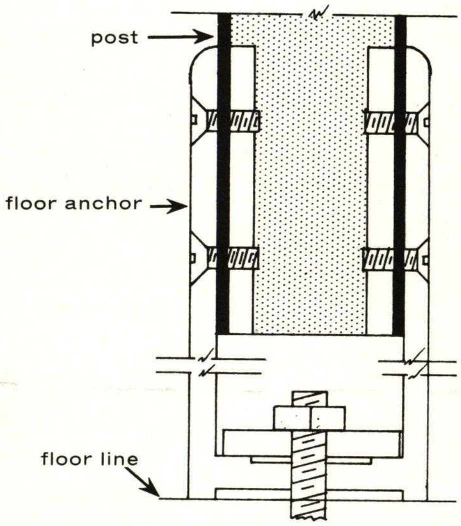


⑤ GLASS AND DOOR JAMB ASSEMBLY



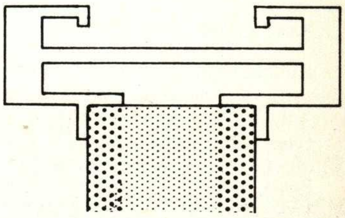
⑥ LOW DIVIDER GLASS





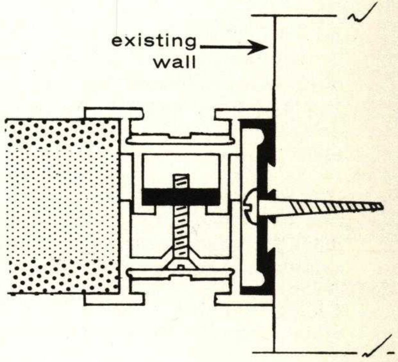
⑦ FLOOR ANCHOR

(low divider only)

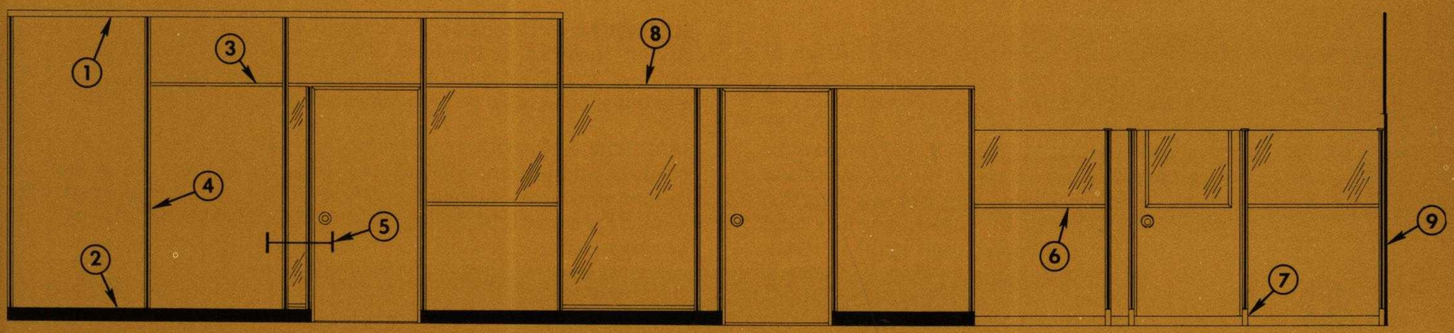


⑧ LATERAL STIFFENE

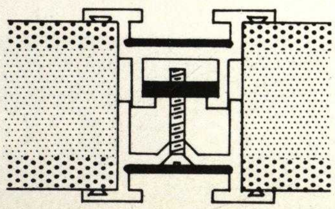
(cornice height only)



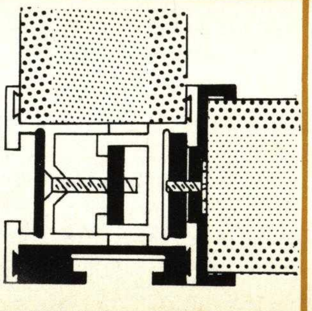
⑨ WALL ANCHOR



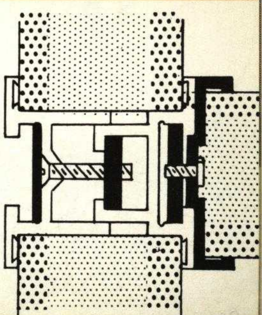
④ POST ASSEMBLY



2-WAY CORNER



3-WAY CORNER



MOVABLE PARTITIONS AND WALLS

specifications

SCOPE OF WORK — Furnish and install complete the "CUSTOM LINE" Movable Partition as manufactured by Architectural Systems, Inc., of Grand Rapids, Michigan.

SHOP DRAWINGS — Submit in accordance with requirements of standard and special conditions all shop drawings in triplicate, detailing panel type and sizes, floor layout, typical elevations, finish and other pertinent information for final approval before commencing fabrication.

PARTITION FRAMEWORK

Aluminum — All posts, glass channel, door jambs, ceiling cap, stiffener section and related accessories to be of 6063-T5 Alloy, Bright Mill Finish Extruded Aluminum. Anodizing treatment available to architect's specifications.

Posts — Standard posts (Patent Pending) shall consist of two extruded sections assembled with machine screw and eliptical nut drawn tightly over panel edge or glass channel. Vinyl insert to be provided to conceal bolt face and opposite face forming decorative strip. Recess post face to permit self hanging desk, cabinets and shelves with Standard ASI bolt and nut. Post to permit complete interchangeability of panel and door units without removing adjacent units. Each post shall provide for panel runs in 2, 3 or 4 directions.

Door Jamb — ASI aluminum extruded door jamb shall be mitered at top corners and welded from the inside so as to provide a structurally sound jamb and give a clean exterior appearance. Hinges shall be face mounted or milled into jamb to present flush appearance, as specified. Jamb shall accommodate 1¾″ thick door. Stops shall have a continuous vinyl bumper.

Glass Channel and Stops — Aluminum extruded glass channel and extruded vinyl glass stops shall be provided to accommodate glass in varying thicknesses from ⅛″ to 21/64″ without the use of screws or putty.

Ceiling Channel — Shall be extruded aluminum and shall allow for adjustment to compensate for uneven ceilings.

Module — Shall consist of modular units consistent with the building module. Panels available in 6″ increments. Panels 48″ center line to center line of post recommended, however most solid panel types available up to 60″ with some to 72″. Heights as specified.

PANEL TYPES

Wood Panels — Panels shall be 1¾″ thick. Core shall be of solid Pressed Chipwood, Kraft 1″ Cell Honeycomb between expanded sheets or a fire resistant Gypsum Core formed of two ⅜″ Gypsum sheets between which Gypsum spacers 3″ wide on 12″ centers are laminated. Face Veneers shall be "A" grade specially selected for architectural adaptation with respect to cutting lengths, uniformity in color, figure and grain character, and shall be Book Matched. High quality "B" grade veneers, random selected with intentional mismatched, dimensioned faces at less cost. Specie of wood to be selected and sample submitted.

Hardboard — Hardboard facing ⅛″ thick to be laminated to one of the cores specified above.

Asbestos — Asbestos cement board ⅛″ thick to be laminated to one of the Standard ASI Cores.

Pressed Chipwood — Panel shall be 1¾″ thick solid Pressed Chipwood Board.

Wood Finishes — All surfaces are to be thoroughly sanded, toned, sealed, nub sanded and filled where needed. The final finish is a synthetic dull gloss finish and is scratch and mar resistant. ASI standard colors include Sandtone, Greylight and Softgreen. Special colors available on order.

Plastic Laminates and/or Vinyl-Metal Laminates — Facing to be laminated to solid Pressed Chipwood Core. Available in a variety of textures and simulated wood grains.

Steel Panels — Panel to be made of 22-gauge steel facing laminated to the ASI Honeycomb Core and encased in a 16 gauge "U" channel steel framing on all four edges. Also available with face of 26 gauge steel laminated to ASI Pressed Chipwood Core.

Steel Finishes — Surfaces are to be thoroughly cleaned, primed, sanded and finished with synthetic enamel in specified colors.

Glazed Panels and Glazing — Glass for Movable Partitions shall be furnished and installed by partition manufacturer of design, quality and thicknesses as specified. Glass shall be set in Standard ASI rigid vinyl glass stops without the use of putty or screws and shall accommodate glass thicknesses from ⅛″ to 21/64″ or single panel materials of similar thicknesses.

Doors — Doors shall be 1¾″ thick in widths as specified in wood or steel. All doors shall be properly worked for hinges, locks or passage sets and door check. Doors available with louvered or glazed opening as specified. Door units with glazed sidelight or side panel to conform to selected module.

HARDWARE — Hardware to be as specified under hardware heading, to be furnished by partition contractor or hardware supplier. Hardware to be installed by partition contractor. If supplied by other than partition contractor butts and lock set templets to be forwarded to partition contractor for installation and cut out. Wood Doors to have 1½ pairs of 4 by 4 butts.

ELECTRICAL — Provision for lay-in wiring shall be made in wiring raceway at the base, door jambs, cornice and ceiling channel. Provision shall be made for conduit raceways, switch and plug outlets in panels where required.

ERECTION — Partitions shall be erected in a rigid manner, straight and plumb, with all horizontal lines level. They shall be mounted over finished flooring. All joints shall be perfectly membered and tight fitting. All hardware shall be in proper working order.

CLEANING — Thoroughly clean panels and posts. Replace any damaged or defective work. All rubbish and cartons shall be removed and the job left broom clean. Cleaning of glass and washing are to be done by others.

asi

ARCHITECTURAL SYSTEMS, INC.

1045 COTTAGE GROVE, S. E., GRAND RAPIDS 7, MICHIGAN • CHerry 1-3456

In Canada: 136 DuPont Street, Toronto, Ontario • WAlnut 4-7324

Digitized by:

INTERNATIONAL

ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

https://archive.org/details/buildingtechnologyheritagelibrary

From the collection of:

Carol J. Dyson, AIA